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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/938,391

DATE: 09/13/2001
TIME: 12:33:26

Input Set : A:\PC10790A.app
Output Set: N:\CRF3\09132001\I938391.raw

3 <110> APPLICANT: Tong, et al.
5 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING
6 DISORDERS INVOLVING ANGIOGENESIS
8 <130> FILE REFERENCE: PC10790A
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/938,391
C--> 11 <141> CURRENT FILING DATE: 2001-08-24
13 <160> NUMBER OF SEQ ID NOS: 4
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 829
19 <212> TYPE: DNA
20 <213> ORGANISM: CANINE PRO ENDOSTATIN NUCLEOTIDE SEQUENCE
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24 cccggggccc cgacaccacgg ctcttacgtg cacttccagc cggctcgccc caactgggtggg 120
25 cccgtccaca cccacaccca cacccaccag gacttccagc tgggtctgca cctgggtggcc 180
26 ctgaacagcc cgacggccggg cggcatgcga ggcacatccggg gagcggactt ccagtgcctc 240
27 cagcaggcgc ggcggcgccggg gctggccggc accttccggg ccttcctgtc gtcggcgctg 300
28 caggacactc acagcatcgt ggcggcgccg gaccgcaccg ggggtggccgt cgtcaacactc 360
29 agggacgagg tgcttcttccc cagctgggag gccttattct cggggctccga gggccagctg 420
30 aagcccgaaa cccgcacatctt ctcttgcac ggcagagatg tcctgcagca cccgcctgg 480
31 ccccgaaaga gcgtgtggca cggctccgac cccagcgggc gccgcctgac cgacagctac 540
32 tgcgagacgt ggcggacgga ggccccggcg gccacccggc aggcgtcgctc gctgctggcg 600
33 ggcaggctgc tggagcagga ggccgcgagc tgccgccacg ctttcgtgtt gctctgcatac 660
34 gagaacagcg tcatgacactc cttctccaag tagggcccg gggcccacgg acaggcgggg 720
35 gagggggcgc cgcaggagc atccggccgc cggggggggc ctggccggga cgcttgcctg 780
36 caccgtcactg ttatgtaa tcctcaagaa ataaaaggaa gccaaagag 829
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40 <211> LENGTH: 230
41 <212> TYPE: PRT
42 <213> ORGANISM: CANINE PRO ENDOSTATIN AMINO ACID SEQUENCE
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45 Pro Trp Arg Ala Asp Asp Ile Leu Ala Gly Pro Pro Arg Leu Leu Asp
46 1 5 10 15
48 Pro Gln Pro Tyr Pro Gly Ala Pro His His Gly Ser Tyr Val His Phe
49 20 25 30
51 Gln Pro Ala Arg Pro Thr Gly Gly Pro Val His Thr His Thr His Thr
52 35 40 45
54 His Gln Asp Phe Gln Leu Val Leu His Leu Val Ala Leu Asn Ser Pro
55 50 55 60
57 Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln Cys Phe
58 65 70 75 80
60 Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala Phe Leu
61 85 90 95
63 Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg
64 100 105 110
66 Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe Pro Ser

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67	115	120	125	
69	Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro Gly Ala			
70	130	135	140	
72	Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro Ala Trp			
73	145	150	155	160
75	Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg Arg Leu			
76	165	170	175	
78	Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala Ala Thr			
79	180	185	190	
81	Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln Glu Ala			
82	195	200	205	
84	Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn Ser Val			
85	210	215	220	
87	Met Thr Ser Phe Ser Lys			
88	225	230		
91	<210> SEQ ID NO: 3			
92	<211> LENGTH: 555			
93	<212> TYPE: DNA			
94	<213> ORGANISM: CANINE ENDOSTATIN NUCLEOTIDE SEQUENCE			
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98	ggcggcatgc gaggcatccg gggagcggac ttccagtgtct tccagcaggc gcgcgcgcgc 120			
99	gggctggccg gcacccctccg ggccttcctg tcgtcgccgc tgcaggacact ctacagcatc 180			
100	gtgcgcgcgc cgcaccgcac cgggggtgccc gtcgtcaacc tcagggacga ggtgtcttc 240			
101	cccaagctggg aggccattt ctcgggctcc gagggccagc tgaagcccg ggcccgcatc 300			
102	ttctctttcg acggcagaga tgtctctgca caccggcct ggcccccggaa gagcgtgtgg 360			
103	cacggctccg accccagcgg gcgcgcctg accgacagct actgcgagac gtggcggacg 420			
104	gaggccccgg cggccaccgg gcaggcgtcg tcgctgctgg cgggcagct gctggagcag 480			
105	gaggccgcga gtcggccca cgccttcgtg gtgctctgca tcgagaacag cgtcatgacc 540			
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118	Ser Pro Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln			
119	20 25 30			
121	Cys Phe Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala			
122	35 40 45			
124	Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala			
125	50 55 60			
127	Asp Arg Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe			
128	65 70 75 80			
130	Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro			
131	85 90 95			
133	Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro			
134	100 105 110			

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136 Ala Trp Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg
137 115 120 125
139 Arg Leu Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala
140 130 135 140
142 Ala Thr Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln
143 145 150 155 160
145 Glu Ala Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn
146 165 170 175
148 Ser Val Met Thr Ser Phe Ser Lys
149 180

VERIFICATION SUMMARY
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L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date